

**FERRITE MATERIALS, METHODS OF PREPARING THE SAME,
AND PRODUCTS FORMED THEREFROM**

Abstract of the Disclosure

5 Ferrite materials, methods of forming the same, and products formed
therefrom are disclosed, comprising, as main components, an iron oxide
ranging from 55.5 to 58.0 mole percent calculated as Fe_2O_3 , an amount of
manganese oxide ranging from 38.0 to 41.0 mole percent calculated as MnO ,
and an amount of zinc oxide ranging from 3.3 to 4.7 mole percent calculated as
10 ZnO . The present invention also includes, as minor components, an amount of
calcium oxide ranging from 0.030 to 0.100 weight percent calculated as CaO ,
an amount of silicon oxide ranging from 0.015 to 0.040 weight percent
calculated as SiO_2 , and an amount of niobium oxide ranging from 0.010 to
0.030 weight percent calculated as Nb_2O_5 .